

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS
PATENT OF THE UNITED STATES IS:

1. Agricultural sprayer equipped with a chassis, said
5 chassis comprising:

- a bearing structure supporting a storage device, and
- a connecting structure supporting a spreading device,

wherein said bearing structure comprises a single
stringer.

10 2. Agricultural sprayer as claimed in claim 1, wherein
said stringer is arranged in a vertical mid-plane of said
sprayer.

3. Agricultural sprayer as claimed in claim 1, wherein
said stringer is straight.

15 4. Agricultural sprayer as claimed in claim 1, wherein
said stringer is made using a hollow section piece.

5. Agricultural sprayer as claimed in claim 1, wherein
said connecting structure comprises a single upright.

20 6. Agricultural sprayer as claimed in claim 5, wherein
said upright is arranged in a vertical mid-plane of said
sprayer.

7. Agricultural sprayer as claimed in claim 5, wherein
said upright is directed in a vertical direction.

8. Agricultural sprayer as claimed in claim 5, wherein said upright is connected to a system of said spreading device, said system comprising a parallelogramm.

9. Agricultural sprayer as claimed in claim 1, wherein
5 said chassis rests on the ground by a ground-connection device.

10. Agricultural sprayer as claimed in claim 9, wherein said ground-connection device comprises a trailed arm connected to said chassis by an articulation.

10 11. Agricultural sprayer as claimed in claim 10, wherein said articulation is arranged in a vertical mid-plane of said sprayer.

12. Agricultural sprayer as claimed in claim 9, wherein said ground-connection device comprises an active element
15 entailing just one anchoring point on said chassis.

13. Agricultural sprayer as claimed in claim 12, wherein said anchoring point lies inside said stringer.

14. Agricultural sprayer as claimed in claim 12, wherein said active element is an oleopneumatic ram.

20 15. Agricultural sprayer as claimed in claim 14, wherein said oleopneumatic ram is arranged in a vertical mid-plane of said sprayer.

16. Agricultural sprayer as claimed in claim 1, wherein said chassis is connected to a tractor vehicle by a hitching device comprising a hitching head.

17. Agricultural sprayer as claimed in claim 16, wherein
5 said hitching head is connected directly to said stringer.

18. Agricultural sprayer as claimed in claim 17, wherein said hitching head is connected to said stringer by an articulation.

10 19. Agricultural sprayer as claimed in claim 18, wherein a pivoting of said hitching head with respect to said stringer about said articulation is damped using damping elements.

20. Agricultural sprayer as claimed in claim 19, wherein said damping elements are arranged inside said stringer.